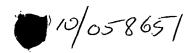
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ABSTRACT OF THE DISCLOSURE

2	An object is authenticated by transmitting a random number to the object. The
3	object has an integrated circuit chip including a memory and encryption circuitry. The
4	memory stores information defining an encryption scheme preassigned to the object. The
5	encryption circuitry reads the memory, and encrypts the random number according to the
6	encryption scheme defined by the information read from the memory to produce
7	encrypted data. The memory cannot be read from any output of the integrated chip, and
8	the chip is constructed so that it is virtually impossible to recover the information
9	contained in the memory by visual inspection, probing, or disassembly of the chip. The
10	object is authenticated by checking whether the encrypted data is a correct result of
11	encrypting the data using the encryption scheme pressigned to the object.